

Monday, May 14, 2012

Attn: Mr. Darrick Jones Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: SATIN

Sample ID#s: BB80638 - BB80661

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

Date

Time

6 Executive Drive Farmington CT 06030

Sample Information Custody Information

 Matrix:
 SOLID
 Collected by:
 05/02/12
 14:31

 Location Code:
 LBG-PCB
 Received by:
 LB
 05/03/12
 13:52

Rush Request: Standard Analyzed by: see "By" below

P.O.#: SDG ID: GBB80638

Phoenix ID: BB80638

Project ID: SATIN
Client ID: N73 1-2

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Extraction for PCB	90 Completed		%	05/04/12 05/05/12		JL KDB/C/K	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	88		%	05/07/12		MH	30 - 150 %
% TCMX	95		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN
Client ID: N73 1-2

Parameter Result RL Units Date Time By Reference

## **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80638

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**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:32Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80639

Project ID: SATIN
Client ID: N73 2-3

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Extraction for PCB	94 Completed		%	05/04/12 05/05/12		JL KDB/C/K	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	115		%	05/07/12		MH	30 - 150 %
% TCMX	91		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB80639
Client ID: N73 2-3

Parameter Result RL Units Date Time By Reference

## **Comments:**

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May 14, 2012

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**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:23Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80640

Project ID: SATIN
Client ID: N74 0-1

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	96		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	2.4	0.34	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	87		%	05/07/12		MH	30 - 150 %
% TCMX	90		%	05/07/12		МН	30 - 150 %

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Project ID: SATIN Client ID: N74 0-1

Parameter Result RL Units Date Time By Reference

## **Comments:**

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May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80640

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**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

see "By" below

LB

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID Location Code: LBG-PCB

Rush Request: Standard

P.O.#:

**Laboratory Data** 

**Custody Information** 

Collected by:

Received by:

Analyzed by:

SDG ID: GBB80638

Time

14:24

13:52

Phoenix ID: BB80641

Date

05/02/12

05/03/12

Project ID: SATIN
Client ID: N74 1-2

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	92		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	90		%	05/07/12		MH	30 - 150 %
% TCMX	96		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN
Client ID: N74 1-2

Parameter Result RL Units Date Time By Reference

## **Comments:**

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May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80641

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**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:25Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80642

Project ID: SATIN
Client ID: N74 5-6

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	93		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	96		%	05/07/12		MH	30 - 150 %
% TCMX	97		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN
Client ID: N74 5-6

Parameter Result RL Units Date Time By Reference

## **Comments:**

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May 14, 2012

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Phoenix I.D.: BB80642

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**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:17

Location Code: LBG-PCB Received by: LB 05/03/12 13:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80643

Project ID: SATIN

Client ID: N75 0-1

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	91		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	83		%	05/07/12		MH	30 - 150 %
% TCMX	88		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN
Client ID: N75 0-1

Parameter Result RL Units Date Time By Reference

## **Comments:**

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Phyllis/Shiller, Laboratory Director

May 14, 2012

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Phoenix I.D.: BB80643

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

Time

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateMatrix:SOLIDCollected by:05/02/12

 Matrix:
 SOLID
 Collected by:
 05/02/12
 14:18

 Location Code:
 LBG-PCB
 Received by:
 LB
 05/03/12
 13:52

Rush Request: Standard Analyzed by: see "By" below

P.O.#: SDG ID: GBB80638

Phoenix ID: BB80644

Project ID: SATIN
Client ID: N75 5-6

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	42		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.77	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	97		%	05/07/12		MH	30 - 150 %
% TCMX	78		%	05/07/12		MH	30 - 150 %

**Page 13 of 48** Ver 1

Project ID: SATIN Phoenix I.D.: BB80644
Client ID: N75 5-6

Parameter Result RL Units Date Time By Reference

## **Comments:**

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May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

**Page 14 of 48** Ver 1



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**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:09Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB80638

Phoenix ID: BB80645

Project ID: SATIN
Client ID: N76 0-1

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	93		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.8	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1221	ND	1.8	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1232	ND	1.8	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1242	ND	1.8	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1248	ND	1.8	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1254	ND	1.8	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1260	13	1.8	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1262	ND	1.8	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1268	ND	1.8	mg/Kg	05/10/12		KCA	3540C/8082
QA/QC Surrogates							
% DCBP	>150		%	05/10/12		KCA	30 - 150 % 3
% TCMX	131		%	05/10/12		KCA	30 - 150 %

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Project ID: SATIN
Client ID: N76 0-1

Parameter Result RL Units Date Time By Reference

3 = This parameter exceeds laboratory specified limits.

#### Comments:

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May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80645

**Page 16 of 48** Ver 1



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**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:10Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80646

Project ID: SATIN
Client ID: N76 1-2

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	92		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	88		%	05/07/12		MH	30 - 150 %
% TCMX	87		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN
Client ID: N76 1-2

Parameter Result RL Units Date Time By Reference

## **Comments:**

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May 14, 2012

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Phoenix I.D.: BB80646

**Page 18 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:11

Location Code: LBG-PCB Received by: LB 05/03/12 13:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80647

Project ID: SATIN
Client ID: N76 5-6

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	73		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.45	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.45	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.45	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.45	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.45	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.45	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.45	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.45	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.45	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	79		%	05/07/12		MH	30 - 150 %
% TCMX	80		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN

Client ID: N76 5-6

Phoenix I.D.: BB80647

Parameter Result RL Units Date Time By Reference

## **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

**Page 20 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information Custody Information** Date Time 05/02/12 Matrix: **SOLID** Collected by: 14:02 **Location Code:** LBG-PCB Received by: LB 05/03/12 13:52

Analyzed by: Rush Request: Standard

see "By" below P.O.#:

**Laboratory Data** SDG ID: GBB80638

Phoenix ID: BB80648

SATIN Project ID: N77 0-1 Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	94		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	84		%	05/07/12		MH	30 - 150 %
% TCMX	79		%	05/07/12		MH	30 - 150 %

Page 21 of 48 Ver 1 Project ID: SATIN
Client ID: N77 0-1

Parameter Result RL Units Date Time By Reference

## **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80648

**Page 22 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:03

Location Code: LBG-PCB Received by: LB 05/03/12

Rush Request: Standard Analyzed by: see "By" below P.O.#:

<u>Laboratory Data</u> SDG ID: GBB80638

Phoenix ID: BB80649

13:52

Project ID: SATIN
Client ID: N77 5-6

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	40		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.83	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.83	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.83	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.83	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.83	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.83	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.83	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.83	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.83	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	88		%	05/07/12		MH	30 - 150 %
% TCMX	80		%	05/07/12		MH	30 - 150 %

**Page 23 of 48** Ver 1

Project ID: SATIN Client ID: N77 5-6

Phoenix I.D.: BB80649

RL

Units

Date

Time

Ву

Reference

# **Comments:**

Parameter

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Result

Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateMatrix:SOLIDCollected by:05/02/12

Location Code: LBG-PCB Received by: LB

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

aboratory Data SDG ID: GBB80638

Phoenix ID: BB80650

05/03/12

Time

15:19

13:52

Project ID: SATIN
Client ID: N82 0-1

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	92		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	90		%	05/07/12		MH	30 - 150 %
% TCMX	81		%	05/07/12		MH	30 - 150 %

**Page 25 of 48** Ver 1

Project ID: SATIN
Client ID: N82 0-1

Parameter Result RL Units Date Time By Reference

## **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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May 14, 2012

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Phoenix I.D.: BB80650

**Page 26 of 48** Ver 1



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**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information Custody Information

Matrix: SOLID Collected by:

 SOLID
 Collected by:
 05/02/12

 LBG-PCB
 Received by:
 LB
 05/03/12

Rush Request: Standard Analyzed by: see "By" below

P.O.#: SDG ID: GBB80638

Phoenix ID: BB80651

Date

Time

15:20

13:52

Project ID: SATIN
Client ID: N82 5-6

**Location Code:** 

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	63		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.52	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.52	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.52	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.52	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.52	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.52	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.52	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.52	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.52	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	84		%	05/07/12		MH	30 - 150 %
% TCMX	66		%	05/07/12		MH	30 - 150 %

**Page 27 of 48** Ver 1

Project ID: SATIN Phoenix I.D.: BB80651
Client ID: N82 5-6

Parameter Result RL Units Date Time By Reference

## **Comments:**

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Phyllis/Shiller, Laboratory Director

May 14, 2012

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**Page 28 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1215:11

Location Code: LBG-PCB Received by: LB 05/03/12 13:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80652

Project ID: SATIN
Client ID: N81 0-1

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	93		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	85		%	05/07/12		MH	30 - 150 %
% TCMX	83		%	05/07/12		MH	30 - 150 %

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Project ID: SATIN
Client ID: N81 0-1

Parameter Result RL Units Date Time By Reference

## **Comments:**

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May 14, 2012

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Phoenix I.D.: BB80652

**Page 30 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1215:12Location Code:LBG-PCBReceived by:LB05/03/1213:52

Location Code: LBG-PCB Received by: LB

Rush Request: Standard Analyzed by: see "By" below P.O.#:

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80653

Project ID: SATIN
Client ID: N81 1-2

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	95		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	97		%	05/08/12		MH	30 - 150 %
% TCMX	72		%	05/08/12		MH	30 - 150 %

**Page 31 of 48** Ver 1

Project ID: SATIN
Client ID: N81 1-2

Parameter Result RL Units Date Time By Reference

## **Comments:**

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May 14, 2012

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Phoenix I.D.: BB80653

**Page 32 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information Custody Information** Date Time 05/02/12 Matrix: **SOLID** Collected by: 15:04 05/03/12 13:52

**Location Code:** LBG-PCB Received by: LB

Analyzed by: Rush Request: Standard see "By" below P.O.#:

**Laboratory Data** SDG ID: GBB80638

Phoenix ID: BB80654

SATIN Project ID: Client ID: N80 0-1

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	86		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	3.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	3.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	3.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	3.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	3.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	3.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	38	3.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	3.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	3.8	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	05/08/12		MH	30 - 150 %
% TCMX	Diluted Out		%	05/08/12		MH	30 - 150 %

Page 33 of 48 Ver 1 Project ID: SATIN
Client ID: N80 0-1

Parameter Result RL Units Date Time By Reference

## **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80654

**Page 34 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information Custody Information** Date Time 05/02/12 Matrix: **SOLID** Collected by: 15:05 **Location Code:** LBG-PCB Received by: LB 05/03/12 13:52

Analyzed by: Rush Request: Standard

see "By" below P.O.#:

**Laboratory Data** SDG ID: GBB80638

Phoenix ID: BB80655

SATIN Project ID: N80 5-6 Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	88		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	05/08/12		MH	30 - 150 %
% TCMX	82		%	05/08/12		MH	30 - 150 %

Page 35 of 48 Ver 1 Project ID: SATIN
Client ID: N80 5-6

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80655

**Page 36 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:56

Location Code: LBG-PCB Received by: LB

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB80638

Phoenix ID: BB80656

05/03/12

13:52

Project ID: SATIN
Client ID: N71 0-1

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	77		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.43	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.43	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.43	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.43	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.43	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.43	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.43	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.43	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.43	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	82		%	05/08/12		MH	30 - 150 %
% TCMX	82		%	05/08/12		MH	30 - 150 %

**Page 37 of 48** Ver 1

Project ID: SATIN
Client ID: N71 0-1

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80656

**Page 38 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:57

Location Code: LBG-PCB Received by: LB 05/03/12 13:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80657

Project ID: SATIN
Client ID: N71 5-6

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	98		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	94		%	05/08/12		MH	30 - 150 %
% TCMX	65		%	05/08/12		MH	30 - 150 %

**Page 39 of 48** Ver 1

Project ID: SATIN
Client ID: N71 5-6

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80657

**Page 40 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:46Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB80638

Phoenix ID: BB80658

Project ID: SATIN
Client ID: N72 0-1

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	93		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	05/08/12		MH	30 - 150 %
% TCMX	78		%	05/08/12		MH	30 - 150 %

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Project ID: SATIN
Client ID: N72 0-1

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Phoenix I.D.: BB80658

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:47Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80659

Project ID: SATIN
Client ID: N72 1-2

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	95		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	123		%	05/08/12		MH	30 - 150 %
% TCMX	89		%	05/08/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB80659
Client ID: N72 1-2

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

**Page 44 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:48Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBB80638

Phoenix ID: BB80660

Project ID: SATIN
Client ID: N72 5-6

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	90		%	05/04/12		JL	E160.3
Extraction for PCB	Completed			05/05/12		KDB/C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	99		%	05/08/12		MH	30 - 150 %
% TCMX	83		%	05/08/12		MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BB80660
Client ID: N72 5-6

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

**Page 46 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 14, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/02/1214:30Location Code:LBG-PCBReceived by:LB05/03/1213:52

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB80638

Phoenix ID: BB80661

Project ID: SATIN
Client ID: N73 0-1

P.O.#:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	93 Completed		%	05/04/12 05/07/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/10/12		KCA	3540C/8082
QA/QC Surrogates							
% DCBP	86		%	05/10/12		KCA	30 - 150 %
% TCMX	68		%	05/10/12		KCA	30 - 150 %

**Page 47 of 48** Ver 1

Project ID: SATIN Phoenix I.D.: BB80661
Client ID: N73 0-1

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 14, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

**Page 48 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# QA/QC Report

% TCMX (Surrogate Rec)

96

# OA/OC Data

May 14, 2012		QA/QC Da	<u>ta</u>			SD	G I.D.:	GBB80	0638	
Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 200053, QC 5									Э,	_
BB80650, BB80651, BB806 Polychlorinated Biphe		1, BB80655, BB80656, E	3B80657	', BB806	58, BE	880659,	BB8066	60)		
PCB-1016	ND	106	107	0.9	84	87	3.5	40 - 140	30	
PCB-1221	ND	100	107	0.7	04	07	3.3	40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	107	109	1.9	67	72	7.2	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	95	93	94	1.1	66	66	0.0	30 - 150	30	
% TCMX (Surrogate Rec)	109	78	78	0.0	70	72	2.8	30 - 150	30	
QA/QC Batch 200208, QC S	Sample No: BB80661 (E	3B80661)								
Polychlorinated Biphe	enyls - Solid									
PCB-1016	ND		108		57	60	5.1	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND		108		73	56	26.4	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	55		96		47	51	8.2	30 - 150	30	
% TCMX (Surrogate Rec) Comment:	53		88		52	54	3.8	30 - 150	30	
Due to a Laboratory error the	LCS recovery could not be	reported.								
QA/QC Batch 200052, QC S	Sample No: BB82196 (F	3B80638, BB80639, BB8	30640, B	B80641	, BB80	642)				
Polychlorinated Biphe	enyls - Solid									
PCB-1016	ND	100	101	1.0	120	128	6.5	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	98	100	2.0	111	114	2.7	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	93	79	79	0.0	105	110	4.7	30 - 150	30	
% TCMV (Surrogato Doc)	0.6	90	90	$\cap \cap$	07	01	1 E	20 150	20	

80

80

0.0

87

91

4.5

30 - 150

30

# QA/QC Data

SDG I.D.: GBB80638

% RPD % LCS LCSD LCS MS MSD MS Rec Blank % RPD % % RPD Limits Limits % Parameter

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

May 14, 2012

Monday, May 14, 2012

# Sample Criteria Exceedences Report

Page 1 of 1

Requeste	ed Criteria: GA	AM, RC		Cumpic Ci		Factored						
SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	RL Criteria	Analysis Units
BB80640	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	2400	340	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1016	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1221	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1232	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1242	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1248	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	13000	1800	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1262	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB80645	LBG-PCB	\$PCB_SOXR	PCB-1268	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1016	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1221	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1232	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1242	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1248	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	38000	3800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1262	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3800	1000	1000	ug/Kg
BB80654	LBG-PCB	\$PCB_SOXR	PCB-1268	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3800	1000	1000	ug/Kg

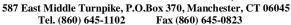
Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-PCB Project Location: SATIN **Project Number:** Laboratory Sample ID(s): BB80638, BB80639, BB80640, BB80641, BB80642, BB80643, BB80644, BB80645, BB80646, BB80647, BB80648, BB80649, BB80650, BB80651, BB80652, BB80653, BB80654, BB80655, BB80656, BB80657, BB80658, BB80659, BB80660, BB80661 **Sampling Date(s):** 5/2/2012 **RCP Methods Used:** 6010 1311/1312 7000 7196 7470/7471 8081 ☐ EPH TO15 **✓** 8082 8270 9010/9012 □ VPH 8151 8260 ETPH For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No. described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No □ NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes No. Were these reporting limits met? 5b. ✓ Yes □ No □ NA For each analytical method referenced in this laboratory report package, were results 6. ✓ Yes □ No □ NA reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? 7. ✓ Yes □ No □ NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Monday, May 14, 2012 Authorized Printed Name: Maryam Taylor Signature:

Position: Project Manager







# **RCP Certification Report**

May 14, 2012

**SDG I.D.: GBB80638** 

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd35 05/09/12-1 (BB80645, BB80661)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa Position: Chemist Date: 5/9/2012

**Instrument:** Au-ecd5 05/07/12-1 (BB80638, BB80639, BB80640, BB80641, BB80642, BB80643,

BB80644, BB80646, BB80647, BB80648, BB80649, BB80650)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/7/2012

**Instrument:** Au-ecd6 05/10/12-1 (BB80648, BB80661)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

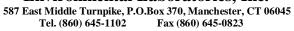
Printed Name Michael Hahn Position: Chemist Date: 5/10/2012

**QC Comments:** QC Batch 00208 05/08/12 (BB80661)

Due to a Laboratory error the LCS recovery could not be reported.









# **RCP Certification Report**

May 14, 2012

**SDG I.D.: GBB80638** 

QC (Site Specific)
Sample No: BB80648, QA/QC Batch: 200053
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
Sample No: BB80661, QA/QC Batch: 200208
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.  QC (Batch Specific)
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

		CHAIN OF CUSTODY RECORD	<b><i>TODY RECORD</i></b>	V Temp (	0 Pg   of 8
		587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040	30x 370, Manchester, CT 06040	Data Delivery:	
Environmental Laboratories,	tories, Inc.	Client Services (860)	6	K Email: D.	Email: DJONES DUSGCT COIN
Customer:		Project: 2+5		Project P.O:	
			Forcs	Phone #:	
		Invoice to:	-1	Fax #:	
Client Sample - Jusorn	Client Sample - Liformation - Identification				
Sampler's		Analysis			MOCOL POSON
	Date	<i>&gt;</i> /?		0 10 50	14000 1400 150
Matrix Code: DW=drinking water WW=wastewater	WW=wastewater S=soil/solid O=other	2004		Notice the second secon	1405
	A≕air	1		Jes policino oni	
Phoenix Customer Sample Sample	Sample Date Matrix Sampled	Time Sampled		100 100 100 100 100 100 100 100 100 100	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
80638 N.75(1-2)	5 82/12				
80639 11-75(23)	1/1 1 .(	1432 8			
		<del> </del>			
800041 MM (1-2).	12/11	X V			
8044 MAI (56)	).	1478 X			
80043 N-75 (0-1).	h) .	× ×		_	
80044 N-46 (54).	<i>bl</i> .	× 31			
80045 N-46 (0-1).	<i>h</i> /	14c7   X			
80046 N-76 (1-0).	, M	X 01410			
(25) H-N Lhans	₹/	×			
(1-0) tr. 1 3 hoos		14c2 X		_	
80049 N-77(56)	)	1403 /2			
Relinquished by:	Accepted by:	Date: Time:	Turnaround: CT/RI	MA	Data Format
Colle 18	al Mille	2/3/12 12:20	1 Day* KRCP Cert.	MCP Cert.	Excel
a soll	Charachise	5/3/12/1352	X	GW-2	GIS/Key
			Standard SW Protect.	S-40	Other
Comments, Special Requirements or Regulations:	gulations:		Res. Vol.	%-5 %-3	Data Package
Hord	remaining sample	to the second	* SURCHARGE   ZZ Res. Criteria APPLIES   Other	MWRA eSMART Other	ASP-A NJ Reduced Deliv. *
potential addit	add'I analyseś			ン	NJ Hazsite EDD
			State where samples were collected:	lected:	Other

# **CHAIN OF CUSTODY RECORD**

587 East Middle Tumpike, P.O. Box 370, Manchester, CT 06040 Email: service@phoenixlabs.com Fax (860) 645-0823

Pg 2 of 8				
O dweL	Data Delivery:	Fax#:	K Email:	

 $\infty$ 

X Email:	Project P.O:	Phone #:	Fax #:		110001/2584	1000 1400 100 100 100 100 100 100 100 10	Thunge I had so I had		014													MA Data Format	MCP Cert. Excel		GW-3 EQuIS	S-2 Data Package	☐ MWRA eSMART ☐ ASP-A ☐ Other ☐ Other	NJ Hazsite EDD Phoenix Std Report
Client Services (860) 645-8726	PET 3aben	D. Jenes	a a																			Time: Turnaround: CT/RI	1 Day* K RCP Cert.	3 Days*	Standard		* SURCHARGE R. Res. Criteria APPLIES Other	Other Control of the
Client S	Project:	Report to:	Invoice to:		Analysis Request		13.17+3		Time Sampled	15:5	1500 8	1511 1	1812 X	X   1:05	1505 X	1456 K	エダス	)   )   )   )   )   )   )     )     )     )	MUTY Y	M48 K	1430 14	Date:	5/3/12 17:	5/3/12 1352			le to	
ies, Inc.				on - Identification	Date		S=soil/solid O=other	A=air	Sample Date Matrix Sampled S	5/2/2								/				Accepted by:	The Colle	Manaelise		ions:	* Please HOLD remaining sample to	potential future analyses
Environmentat Laboratories, Inc.	LBG			Client Sample - Information - Identification	XX		WW=wastewater	<b>SL</b> ≕Sludge	Customer Sample Identification	N-82(6-1).	N-82(56).	N-61 (0-1).	N-81 (1-5).	N-80 (0-1):	N-80 (5-6).	·(1-0)11-11	N.4 (%?).	N-42 (0-1)	·(21) 22-11	N-72 (5-0).	10-75(0-1).	shed by:	3			Comments, Special Requirements or Regulations:	se HOLD re	stential tutu
Environm	Customer:	Address:		3	Sampler's Signature	1	Matrix Code: DW=drinking water	<b>GW</b> =groundwater	Phoenix Sample #	80650	15008	80653	80653	tsona8	80455	25008	15008	80058	80059	SULCEO	806ce1	Relinquished by:	SIN	1		Comments, Specia	* Plea	

#### Bobbi - Phoenixlabs

From: Darrick Jones [djones@lbgct.com]

**Sent**: Wednesday, May 09, 2012 10:50 AM

To: clientservices@phoenixlabs.com

Cc: Bobbi - Phoenixlabs

Subject: RE: Phoenix Labs - GBB80638, SATIN - COC Acknowledgement

Please Add PAHs and ETPH as follows:

N-80 (0-1)-30654 N-80 (5-6) - 80655

From: clientservices@phoenixlabs.com [mailto:clientservices@phoenixlabs.com]

Sent: Friday, May 04, 2012 3:57 PM

To: Darrick Jones

Subject: Phoenix Labs - GBB80638, SATIN - COC Acknowledgement

Darrick,

Delivery group GBB80638 (SATIN ) has been logged in for the following samples:

Phoenix Id	Client Id
BB80638	N73 1-2
BB80639	N73 2-3
BB80640	N74 0-1
BB80641	N74 1-2
BB80642	N74 5-6
BB80643	N75 0-1
BB80644	N75 5-6
BB80645	N76 0-1
BB80646	N76 1-2
BB80647	N76 5-6
BB80648	N77 0-1
BB80649	N77 5-6
BB80650	N82 0-1
BB80651	N82 5-6
BB80652	N81 0-1
BB80653	N81 1-2
BB80654	N80 0-1
BB80655	N80 5-6
BB80656	N71 0-1
BB80657	N71 5-6